

Site-directed mutagenesis and vector construction

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An abbreviated version of this protocol was published in BMC Genomics in Jan 2021

Proteome-wide and lysine crotonylation profiling reveals the importance of crotonylation in chrysanthemum (*Dendranthema grandiflorum*) under low-temperature

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Detailed protocol

读者您好，现就您的问题作如下解答。我们通过蛋白质组学测序获得了 DgAPX 的氨基酸序列。通过设计上游和下游引物，在菊花中获得并校正序列。对巴豆酰化位点进行分析后，进行全基因序列的合成，在合成过程中对巴豆酰化位点进行定点突变。合成的序列构建在表达载体 (pSuper1300-GFP) 上用于后续实验。

How to cite: (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

- liu, q. (2021). Site-directed mutagenesis and vector construction. Bio-protocol Preprint. bio-protocol.org/prep1431.
- Lin, P., Bai, H., He, L., Huang, Q., Zeng, Q., Pan, Y., Jiang, B., Zhang, F., Zhang, L. and Liu, Q.(2021). Proteome-wide and lysine crotonylation profiling reveals the importance of crotonylation in chrysanthemum (*Dendranthema grandiflorum*) under low-temperature. BMC Genomics 0(0). DOI: [10.1186/s12864-020-07365-5](https://doi.org/10.1186/s12864-020-07365-5)

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